# **Power Pentode**

#### NEONOVAL TYPE

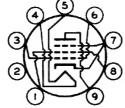
#### GENERAL DATA

#### Electrical:

Heater Characteristics and Ratings (Design-Naximum Values): Voltage (AC or DC)
respect to cathode 200 max. volts
Heater positive with respect to cathode 200 max. volts Direct Interelectrode Capacitances (Approx.):
Grid No.1 to plate 0.9 μμf Grid No.1 to cathode & grid No.3,
grid No.2, and heater 18.0 μμf Plate to cathode & grid No.3,
grid No.2 and heater 7.0 $\mu\mu$ f
Mechanical:
Operating Position
Dia 1 Onia No 3 (4) (5) (6) Dia 6 Onia No 1

Pin 1-Grid No.2 Pin 2-No Internal Connection Pin 3-Grid No.1

Pin 4 - Heater Pin 5 - Heater



Pin 6-Grid No.1 Pin 7 - Cathode, Grid No.3 Pin 8 - Grid No.2 Pin 9-Plate

### AF POWER AMPLIFIER - Class A,

### Maximum Ratings, Design-Naximum Values:

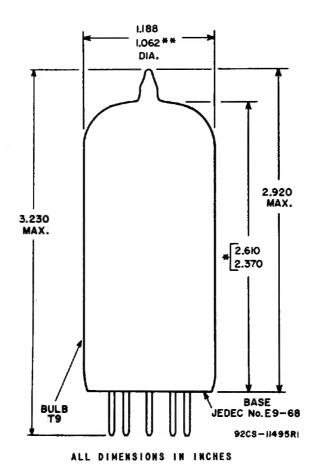
PLATE VOLTAGE	220 max.	volts
GRID-No.2 (SCREEN-GRID) VOLTAGE	140 max.	volts
GRID-No.2 INPUT	1.4 max.	watts
PLATE DISSIPATION	12 max.	watts

### Typical Operation and Characteristics:

	Fixed Bias	Cathode Bias		~
Plate Supply Voltage	. 110 -7.5 . 7.5 . 49 . 50 . 4 . 10 . 13000 . 8000 . 2000	200 125 - 180 8.5 46 47 2.2 8.5 28000 8000 4000 10 3.8	volts volts volts ohms volts ma ma ma ohms	
Maximum Circuit Values: Grid-No.1-Circuit Resistance: For fixed-bias operation For cathode-bias operation		max. max.	megohm megohm	

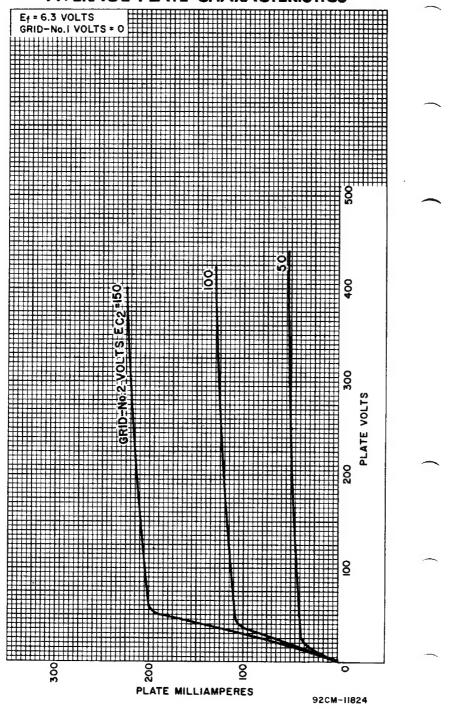
a The dc component must not exceed 100 volts.

b Without external shield.

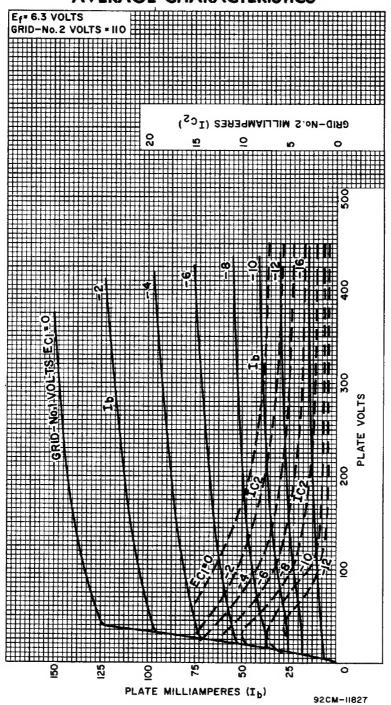


- \*\* APPLIES IN ZONE STARTING 0.375" FROM BASE SEAT.
- \* MEASURED FROM BASE SEAT TO BULB-TOP LINE AS DETERMINED BY A RING GAUGE OF 0.600" INSIDE DIAMETER.

## **AVERAGE PLATE CHARACTERISTICS**



## **AVERAGE CHARACTERISTICS**



## **OPERATION CHARACTERISTICS**

